

In the Claims:

Please amend the claims as follows:

Cancel claims 1-52.

Add claims 53-75.

--53. (New) A method for molding a non-circular lens adapted to a wearer's prescription and to the shape of a frame chosen by the wearer, comprising the steps of:

- supplying a non-circular first mold substantially in the shape of the frame chosen by the wearer ;
- supplying a second mold;
- molding and curing a setting material between the first mold and a second mold ;
- removing the cured material lens from the first and second molds.

54. (New) The method as claimed in claim 53, wherein the step of supplying a first mold comprises a step of trimming said mold.

55. (New) The method as claimed in claim 53, wherein the curing step is a step of partial curing, and wherein the method further comprises a step of total curing of the lens.

56. (New) The method as claimed in claim 53, wherein the step of molding and curing comprises a step of assembling the molds followed by a curing step.

57. (New) The method as claimed in claim 55, wherein the partial curing step lasts less than 3 minutes.

58. (New) The method as claimed in claim 55, wherein the total curing step lasts between 5 and 30 minutes.

59. (New) The method as claimed in claim 55, wherein the step of assembling comprises using mold-positioning devices and wherein the method further comprises a step of removing the mold-positioning devices after the partial curing step and before the total curing step.

60. (New) The method as claimed in claim 56, wherein the partial curing step comprises an irradiation of the setting material (4) from only one side of the assembly of the first and second molds.

61. (New) The method as claimed in claim 56, wherein the total curing step comprises an irradiation of the setting material (4) from both sides of the assembly of the first and second molds.

62. (New) The method as claimed in claim 55, wherein the total curing step comprises heating of the setting material.

63. (New) The method as claimed in claim 53 wherein the removing step comprises applying a thermal shock to the assembly of the first and second molds.

64. (New) The method as claimed in claim 53, wherein the step of supplying a second mold (6) comprises supplying a second mold in the shape of the lens to be obtained.

65. (New) The method as claimed in claim 64, wherein the step of supplying a second mold comprises a step of trimming said second mold.

66. (New) The method of claim 53, wherein the lens is an ophthalmic lens.

67. (New) A method for molding a non-circular lens adapted to a wearer's prescription and to the shape of a frame chosen by the wearer, comprising the steps of:

- supplying a non-circular first mold substantially in the shape of the frame chosen by the wearer ;
- supplying a second mold ;
- molding and curing a setting material between the first mold and a second mold (6), a position of the first and second molds being adjusted with the second mold 1 mm or less away from a periphery of the first mold ;
- removing the cured material lens obtained from the first and second molds.

68. The method as claimed in claim 67, wherein the position of the first and second molds is adjusted with the second mold contacting a periphery of the first mold.

69. (New) A method for molding a non-circular lens adapted to a wearer's prescription and to the shape of a frame chosen by the wearer, comprising the steps of:

- supplying a non-circular first mold substantially in the shape of the lens to be obtained ;
- supplying a second mold ;
- molding and curing a setting material between the first mold and a second mold (6), the first mold being positioned over the second mold ;
- removing the cured material lens from the first and second molds.

70. (New) The process as claimed in claim 69, wherein the step of molding comprises providing the second mold in a horizontal position.

71. (New) The process as claimed in claim 70, wherein the step of molding comprises:

- positioning the second mold and
- positioning the first mold.

72. (New) The process as claimed in claim 71, wherein the step of molding comprises, after positioning the second mold, introducing the setting material in the second mold.

73. (New) The process as claimed in claim 71, wherein the step of molding comprises, after positioning the first mold, injecting the setting material between the molds.

74. (New) The process as claimed in claim 71, wherein the step of molding comprises, after positioning the second mold, positioning a ring seal.

75. (New) The process as claimed in claim 69, further comprising the step of providing a ring seal around the first mold.